

## 10K MECHANICAL SET PRODUCTION PACKER

### OVERVIEW

The **Mechanical Set Packer** is a high performance Full Bore Single String Retrievable Packer. It is specifically designed to perform reliably in high pressure fracturing and production applications. It is compression set and can be landed in compression, tension or neutral condition.

Enhancements of field proven design features combining rugged simplicity, economy and ease of operation, result in a new and test proven standard of performance. It now makes available reliable performance in a retrievable packer under combined conditions of **350°F and 10,000 psi** differential above or below the packer.

### FEATURES & BENEFITS

- Ease of operation - 1/4 turn to right to set, 1/4 turn to right to release
- High performance three-piece element system for high pressure sealing and pressure reversal loads
- Tested unplugged to **350°F at 10,000 psi** differential both above and below for the 5-1/2" & 7"
- Plugged rating of 10,000 psi below or above at 350°F for the 5-1/2" & 7"
- Independent lower and upper Jay Assemblies contributing to short, compact design
- Tubing can be landed in tension, compression or neutral
- Full opening ID for stimulation and thru-tubing perforating
- Tested to 100,000 lbs tension packer to tubing force at 10,000 psi below for the 5-1/2" & 7"
- Built in unloader with bonded seal for bypass
- Bypass opens before release of upper slips for safety and ease of release
- No O-rings
- Staged loading of upper slips for ease of release
- Solid upper slip cone for added strength and elimination of release sleeve
- Reliable and rugged rocker type lower slip assembly
- Resettable at low pressures

**THIS PACKER IS DESIGNED AND TESTED IN ACCORDANCE WITH ISO 14310 GRADE V3**



**10K MECHANICAL SET PRODUCTION PACKER  
SPECIFICATION GUIDE**

Casing				Packer	
Size	Lb. / ft.	Min ID	Max ID	Length (approx. )	Size
4-1/2"	15.1	3.752	3.904	69.000	365-191
	11.6-13.5	3.853	4.069		375-191
	9.5-10.5	3.996	4.154		388-191
5"	21.4-23.2	3.943	4.220	72.000	388-191
	11.5 – 15	4.408	4.560		425-191
	15-18	4.276	4.408		410-191
5-1/2"	20-23	4.578	4.868	76.781	450-237
	17-20	4.696	4.976		460-237
	15.5-17	4.819	5.031		472-237
5-3/4"	15.0 – 19.4	5.080	5.238		480-237
6-5/8"	28-32	5.675	5.791	73.500	550-237
7"	32-35	6.004	6.094		587-237
	26-29	6.184	6.276		600-237
	23-26	6.276	6.366		608-237
	20-23	6.366	6.456		618-237
7-5/8"	45.3-47.1				